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Version Number: 01

SAFETY DATA SHEET

Product Code: NMLL15X1

PAGE 1 OF 4

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Reusable Needles Luer Lock

Intended Use Sterilized needles for Intravenous, Intra muscular, Intra dermal Injections, Immunizations, Veterinary application and vaccination, and fluid aspiration.

SECTION 2 HAZARD IDENTIFICATION

Metal needles as such are hazard free since they do not have any poisonous, toxic or flammable material.

Keep out of reach of children.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Hub Free cutting Brass wire conforming as per IS 8364 (BS 249) having chemical composition as follows:

Chemical Composition:

Copper - 56% to 60%
Lead - 2% to 3.5%
Iron - 0.35 Max.
Total Impurities - 0.7 Max
Zinc - Remainder

Mechanical Properties:

Tensile Strength - 355 to 590 MPa
% Elongation - 4% to 10%

Application as component for surgical hypodermic needles :

Due to excellent Anti-Microbial property of copper, brass is most suitable for manufacturing needles. And it is also a recyclable, eco-friendly material.

Cannulae Surgical grade Stainless Steel (S.S.) tube conforming to steel designation 04Cr18Ni11 of IS 1570 equivalent to AISI 304, Hyper chrome S.S. that meets applicable element content specification of ASTM F-899-84 having chemical composition as follows:

Chemical Composition:

C - 0.07% Max.
Si - 1.00% Max.
Mn - 2.00% Max.
P - 0.045% Max.
S - 0.03% Max.
Ni - 8 to 11%
Cr - 17 to 19%

Mechanical Properties:

Elasticity, Reverse bend, stiffness, corrosion as per Needle Standard IS 3317.
Hardness – 200 Brinell Max. / 90 Rockwell B

Application as component for surgical hypodermic needles :

Due to its Anti-Corrosive and Recyclable property, and durability it is best suited for hypodermic needle.



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PAGE 2 OF 4

SECTION 4 FIRST AID MEASURES

In case of any injury arises due to improper or mishandling of product, standard first aid procedures may be followed.

SECTION 5 FIRE FIGHTING MEASURES

Non Flammable material.

Extinguishing Materials

Use extinguishing media that are appropriate for surrounding fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Always make a practice to keep the needles firmly in its box before and after use in order to avoid any accidents.

SECTION 7 HANDLING AND STORAGE

Packing and Handling :

Hypodermic needles of any gauge with length up to 1½" (40mm) are packed in dozen pc. plastic box packing with transparent cover which firmly holds needle in its place & prevent dislocation and protect the point of needle. The needles can be conveniently placed in these boxes after use, thus preventing needle stick injuries. The outer cardboard box consist of 12 plastic box of 12 dozen needles.

Storage Conditions :

Hypodermic as well as aspiration needles of any gauge with length above 1½" are inserted in best quality plastic corrugated sheets which are further packed in 10 or 12 pc cardboard boxes of required sizes.

Preferable Storage conditions are ambient temperature, normal pressure, normal light (No restrictions), and low humidity to protect against corrosive effect. Store needles in a dry and safe place, to avoid contact with any toxic or chemical atmosphere.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Use PPE at all times

Needles and / or syringes should be flushed through with water immediately, after injection and then soaked in water without being disassembled. After the immunization session, this contaminated water should be changed for clean water. Then the syringes and needles should be dis-assembled and washed before loading for sterilization. Needles / Syringes dis-assembled should be picked up from the water with forceps not the fingers. The sterilization indicator TST (*) recommended by WHO should be included within each sterilization load, inspected at the time of use and then attached to immunization reports.

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PAGE 3 OF 4

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Hub

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Cannulae

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SECTION 10 STABILITY AND REACTIVITY

Stability:

Stable under normal conditions of use.

SECTION 11 TOXICOLOGICAL INFORMATION

Since needles are made from AISI 304 S.S. & Brass it meets biocompatibility i.e. they are non toxic when used with biological substances.

SECTION 12 ECOLOGICAL INFORMATION

No Information of any hazard so far.

SECTION 13 DISPOSAL CONSIDERATIONS

Use needle cutters to cut the needle portion from the hub neck and dispose the cut off needle in ferrous metal scrap collection box while the hub in non-ferrous metal scrap collection box. However confirm disposal procedures with environmental engineer and local regulations.

SECTION 14 TRANSPORT INFORMATION

Non-hazardous substance for transport.



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PAGE 4 OF 4

SECTION 15 REGULATORY INFORMATION

Classification not required.

SECTION 16 OTHER INFORMATION

Keep out of reach of children

END OF SDS

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